



O T V A R C

JULY-AUGUST 1981

OREGON TUALATIN VALLEY AMATEUR RADIO CLUB

MEETING: Wednesday, Aug. 19. 6:30 for dinner.

7:00 for meeting. NORTHS CHUCKWAGON-BEAVERTON MALL

OUR PROGRAM

Got to hand it to a guy who is willing to give a talk on gas furnaces to an amateur radio club. Especially so when it is the middle of July and the meeting day got up to 90 degrees. Somewhat like selling Frigidaires in AAA land. Dave, W7LJN, did a very nice job and put a lot of humor into his presentation to liven things up. Really thought the alarm clock would be necessary but not so. Dave cleaned up the old money burner, put it back together, with crossed wires, (it would'nt shut off) and had the gall to demand a beer for his trouble... Seriously, a BIG thanks for a good program and lest we forget, a thank you to Warren, N7BIJ, for taking all the slides in a difficult situation. Washer, dryer, dirty clothes and etc.. Not to mention that Dave drank the only beer in the house. Thanks guys.....

OUR NEW VP

As most of you know, we had to hold an election for VP and the lucky winner was Steve, N4BOS. Not sure how the club feels about having some foreigner at the head table but you get what you voted for. Really thought that having a 6 lander featured on our FD channel two newscast was the living end but guess that we just have to get used to the fact that people DO move and accept it. CONGRATULATIONS to you Steve and we are quite sure that you will be of great service to the club!!

LADIES RAFFLE

This was our second meeting with a special raffle giveaway for the women. Marty, wife of Don, WA7DCG, has a dress shop in the Aloha Mall and gave us a gift certificate good for \$15.00. The winner was a re-inlisted new member. Bev-WA6ZTG. See, another transplant! The first winner was Gloria, wife of Bill, WB7NPH. Bill gave her an extra \$10.00 and Gloria spent \$100.00.. GO-GO Bev. Many tnks to the FASHION FACTORY.....

IMPORTANT RAFFLE NEWS

N7BIJ and yours truly had lunch the other day with Joe from P. Radio. The purpose was to give Joe the opportunity to express his wishes regarding raffle donations. With tight money and sales off, giving away merchandise has become prohibitive. Portland Radio donates to other clubs in the area and it amounts to a considerable amount each month. Joe is going to make it a Company policy to allow clubs to purchase raffle items at a discount. Special events, such as a Xmas party will be handled the

How to pass a multiple choice test

Lee Price, K6PHT

How much do you need to know to pass multiple choice tests? Less than you might expect! You can "psych out" a multiple choice test by means of a few common sense rules. You must prepare yourself in at least three ways:

1. **PHYSICALLY.** Don't spend a lot of hours before the examination trying to cram all night and arrive exhausted at the examination. Get a good night's rest.

2. **MENTALLY.** Relax at the time of the examination. Remember that you need only 75 percent to pass. Also, remember there is another time coming. Treat the exam as a learning experience. You are taking it to see what it is like.

3. **STUDYING FOR THE TEST.** Use more than one source of study material and be sure it is up to date. No two authors express an idea in the same way. Buy good materials to study. Class study adds interest and motivation.

In taking the exam, don't read anything into the question that isn't there. First read the question while covering up the multiple choice answers. Ask yourself, "What is the question saying?" Then read the question again very carefully in conjunction with each of the multiple choice answers. In particular, watch out for expressions such as "not true", "not false", "incorrect", etc. Do not be too quick to pick an answer which is partly correct. Even though some answers may not be wrong, the proper answer is the one which is the most complete and the most nearly correct.

Go through the examination carefully and answer only the questions which are obvious to you. Remember that you have plenty of time. As you go through the questions, you will find things that may help straighten out your thinking on the questions you skipped. If you let it simmer while you go on to another question, the computer in your sub-conscious will work on it and the answer will come. If you fatigue yourself at the beginning on difficult questions, you could suffer more wrong answers on other easier questions. Think on your scratch paper rather than in your head. It's more accurate. Double check to be sure that you have marked the answer sheet correctly. When you skip difficult questions, be sure to skip the corresponding spaces on the answer sheet. Be sure the number of the question corresponds to the number on the answer sheet. Answer every question, even if you

have to guess. If you can discard choices that are obviously wrong, you have improved your chances of guessing correctly.

Don't be afraid of failing. Taking the test didn't cost much. You can hit it again in 30 days. You might even get the same questions next time. Make notes right after the exam of things you observed and what bothered you. Don't wait. Take the test again as soon as you can. Get someone to go with you. You would be surprised at the number of people who take the exam with a friend for the fun of it or on a dare, and end up with a new license!

73; and good luck!
—Simi Settlers ARC

old way. Joe has been VERY good to us and it is hoped that all will understand the reason for this change. As we are now buying our items we are going to need as much support as possible in the raffle. If you participate in club functions you get your raffle money back in spades. If you are lucky and win now and then the same holds true. Our dues structure does not help the treasury very much and as an example of monthly costs, we are sending out 150 newsletters each month at 18 cents per. Tnks in adv.

Deadline extended

A request by ARRL for more time for amateurs to respond to the FCC Plain Language rules proposals, Docket 80/729, has been granted. The new deadline for comments is 21 August, replacing the original deadline of 19 June. Amateurs are urged to take advantage of this extension, and to submit comments to the FCC if they have not already done so.



AMATEUR RADIO MISSIONARY SERVICE

Upholding the Arms of the Missionary through Amateur Radio

The Arms motto

"...let us do good unto all men especially unto them who are of the household of faith."

Galatians 6:10

ARMS nets			
	M.W.F	Local Time	
Eastern	Sat	7:00 am	3.907
Mid-West	Sat	8:30 am	3.907
Rocky Mtn.	Sat		3.907
South-East	Sat	7:30 am	3.907
South-West	Tues.	10:00 am	7.227
Transcon	M-Sat	1600 Z ST	14.307
		1500 Z DT	14.307

Every amateur welcome to check in.

For additional information write:
K7AQ, Charlie Cox
325 Hillview Drive
Grants Pass, OR 97526

RPTR POINTS

- If you can't think of anything worth saying, don't say anything.
 - If you like to hear your own voice what you want is a tape recorder, not an FM rig.
 - Leave the repeaters available for those who need them. Use simplex whenever possible.
 - Don't break into a contact unless you have something to add. Interrupting is no more polite on the air than it is in person.
 - Don't try to prove what a great operator you are by criticizing the operating techniques of others on the air.
 - Don't monopolize a repeater. The best repeater users are the ones who do a lot of listening and little transmitting.
 - Don't forget what you say over a repeater can be heard... by anyone, an inexpensive public safety monitor.
- The Home News

Wear a club
jacket-644-0752



MEETING ROOM PROBLEMS
editorial

Our meeting places have always been a challenge in one form or the other and this is partially due to our phenomenal growth. So far, we have been able to cope and please the majority. There are several reasons for our growth rate and one of them, I believe, is the dinner feature of our meetings. We can work hard and get good programs, we can make every effort to keep the newsletter interesting and we can continue to play down most of the boring aspects of a business meeting. What we cannot do is force people to buy dinner. THAT IS THE PROBLEM.. At our last meeting we had about 90 in attendance and only 33 had dinner. Now, if this were a constant thing I could see where the manager of Norths could have a logical gripe. We have been running about 50 or so dinners and that is enough to keep him happy. It is realized that our last meeting day had a temp. of around 90 degrees and that tones down appetites. One bad evening is ok but if we have a second one this month, the manager will be asking for a guarantee!! We are working on another site but we do not want to be forced to move when we are not ready. So, If at all possible, PLEASE have your dinner at Norths. Your past response to this type of problem has been good. It is hoped that you all will help out again.

One other thing which would be of great help is getting to the meeting a little earlier. We really should publicize our meeting time as 6:15 for dinner and 6:45 for the meeting. The reason I say this is that it takes time to make the rounds with the raffle tickets and if the majority of the members do not arrive much before 7:00, we do not get started until 7:15 or later. This puts a great deal of pressure on both myself, the program giver and YOU. I say you because often times the best part of a program has to be cut short. Meaning the question and answer period. This has occurred too many times but as the raffle is so important to us, we have had no choice but to wait until the rounds have been made. Your co-operation in helping improve this situation will be greatly appreciated!!!!!! WB7SIC

DIET: A short period of starvation followed by a gain of five lbs..
What do you call a sunburn on your stomach? Pot roast... (ouch)

FOR SALE

Icom IC 260 A. Brand new in the box. \$375.00. All mode 2m rig.
Steve Das-N4BOS 641-7139

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Philips P354 business computer. Punch card programs for all aspects of business operation are included. Or-program it yourself. If you have a small business you could cut your secretarial overhead and increase your efficiency. Will sell cheap or trade for a good used office typewriter. Al-WB7SIC 640-5456

An optimist is a husband going to the marriage bureau to see if his license has expired..... Yuk yuk!



NEWS

BULLETIN



Packet radio — a new frontier

The KA6M repeater is San Francisco's first, and possibly the nation's first, all digital simplex packet radio repeater for use in Amateur Radio. The repeater went into operation on 10 December 1980 and since then has been running both as a packet repeater and a beacon. Here are some facts about the repeater and its operation:

- A packet radio repeater or digital repeater — or "digipeater", as the Canadians call it — is a machine which receives a message or block of data, and after verification, retransmits that message on the same frequency channel where it was received. Thus, only a simplex channel is used, and the message transmitted is the same as the message received, except for the possible modification of some address or control bytes. The primary function of a packet repeater, as with a more conventional repeater, is to extend the geographic range and coverage of fixed or mobile stations.

- The KA6M/R repeater is currently operating on a simplex channel assigned for non-voice use, 146.580 MHz, and transmits data at a speed of 1200 Baud. The machine consists of a Z-80 microprocessor, a Bell 202 compatible modem, and a solid-state transceiver. The initial site is in Menlo Park, California.

- The basic format of a packet or message block is an HDLC frame. The word HDLC stands for High-level Data Link Control, which is a new and internationally recognized standard in the com-

munications industry. A frame consists of an opening flag byte, an address byte, a control byte, an information field, two bytes of CRC checking, and a closing flag. The repeater uses NRZI (Non Return to Zero Inverting) encoding of the frame, which allows both clock and data to be recovered from one signal. The use of HDLC framing and control procedures guarantees highly reliable, nearly error-free communications. The first use of HDLC framing by amateurs was done by members of the Vancouver Digital Communications Group, and we are following their lead.

- As a beacon, the machine transmits three packets every five minutes, immediately following its CW identification. Each packet contains approximately 70 ASCII characters. In functioning as a repeater, the machine will repeat any packet it receives which has the correct address and CRC check sum. The information field is currently limited to 256 bytes maximum.

This repeater is just a first step in what will someday be a nationwide network of interconnected computer systems. Packet radio is a new frontier for Amateur Radio, a new medium unlike anything we are accustomed to today.

Please contact me if you are interested in more information about the repeater or wish to communicate with it: Hank Magnuski, KA6M, 311 Stanford Ave., Menlo Park, CA 94025. (415) 854-1927. □

NEW CALLS

Marianne KA7CVR to N7CXE
Marten KA7JWP to N7CYG
Karen KA7CVQ to N7CZB
Linda KA7JKZ to N7CZY

UPGRADES

Jack KA7EHS to General

Brian KA7KIR to Tech.

John KA7FDT to General

Winn WB7TYR to Advanced
and with a new call of
KC7FC. SUPER GUYS !!

Public Service Manual

The updated edition of the *Public Service Communications Manual*, regarded as the most authoritative source of information on Amateur Radio public service, is again available. Along with detailed explanatory material on ARES, RACES and NTS, the latest edition of the PSCM now contains third-party traffic agreements, ARRL section leadership job descriptions, UTC time conversion, NTS routing guide, and more!

This pamphlet is distributed free by the Communications Department, and can be obtained from your friendly section League Official or direct from headquarters for a 6" x 9" SASE with two units of first class postage. □

Join a committee and play a REAL part in making our club more successful..

Through the eyes of a Novice

The long awaited slip of paper from the FCC finally arrived. All of a sudden I wasn't so anxious to get on the air. What would I do? What would I tell them? What if I couldn't understand what they sent?

With my OM at my side for moral support and first aid in case I passed out, I tuned up on 10 meters. We heard a ZS5 and decided it would make an exciting first contact. I gave a call and for a minute I thought, "Maybe they won't answer." I was a nervous wreck!! Back he

came to me and began sending a long schpiel to me right off.

My sweaty hand and shaking pencil were only copying three-fourths of the QSO. It was my turn to send and with a big sigh — away I went.

Each time it was a little easier when he turned it back to me. I couldn't get the QSO ended! We had been at it for over an hour and each time I'd send 73, he would come back with a question. I had to get off, the baby woke up — and besides, how much more could my nerves take?

After the ordeal was over, I felt real proud, but still dreaded the next contact. Maybe it will get easier and I'll learn more

each time. Guess that is why they call us Novices. We are in training and, boy, do I have a lot to learn!!

Sincerely,
Kathy KA9KKD

KNOW A KID WITH SOME PROBLEMS??? HELP HIM GET INTO AMATEUR RADIO. BE AN ELMER FOR A DAY, A WEEK OR A MONTH. IF YOU CAN'T—WE HAVE HAM CLASSES IN THE FALL..

"JAMMING."

LICENSE SUSPENSIONS TO TWO RADIO AMATEURS EXTRA CLASS LICENSEES FOR JAMMING THE MARITIME MOBILE SERVICE NET, WAS HANDED OUT BY THE FCC. IT SEEMS THE U.S. COAST GUARD WAS TRYING TO GET THE AID OF THE MARITIME MOBILE SERVICE NET BUT THE TWO CULPRITS SPLIT OPERATION ON EACH SIDE OF THE SERVICE NETS FREQUENCY 14,313 KCS. THE COAST GUARD FILED COMPLAINT AND FCC ACTED. HURRAH AND WE HOPE THE TWO ~~XXXXX~~ GUYS HAVE THEIR LICENSES CANCELLED FOR GOOD. WHEN THEIR HEARING COMES UP. ANOTHER JAMMER WAS IN COURT THIS PAST WEEK BEFORE A FEDERAL JUDGE IN A HEARING TO DETERMINE WHETHER WB6JIY LICENSE SHOULD BE SUSPENDED PERMANENTLY. HE WAS HIS OWN ATTORNEY AND WE HEARD IT WAS A MESS. TOO BAD WE HAVE THIS KIND IN AMATEUR RADIO.

FOR SALE

This space is available to any member or non-member who has a business and could use the space for inexpensive ads. Our current newsletters circulation is 150 and by the end of the year will be at or over 200. At today's postal costs, mailers are costly to send. our price-\$10.00. If a member, help the club and yourself. If not, help you!!

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FOR AD SPACE CALL

AL 640-5456

73-88

800 NUMBERS

Wonder how many of the members have sat down and called 800 numbers in an attempt to get a good deal on a new rig? Of you who have, wonder how many gave Portland Radio a chance to compete? A discount house

must have high volume to sell 12% merchandise at 10% off. Portland Radio is not a discount house and is not a high volume store. BUT-they do have the option of changing a price on the spot. On an outside the area purchase, who pays the shipping for repairs? How many weeks is the gear gone? Think abt the \$50.00 you-SAVED??

More than QST

Bob McGarvey, WB2EVF

I wouldn't go so far as to say the American Radio Relay League never makes a mistake. But I would say it is something every American licensee in the Amateur Radio Service needs, whether he or she knows it or admits it.

Occasionally I hear someone say, "I still get QST, but I don't know for how long. The way they keep raising their subscription rate . . ." In other words, they regard membership as subscribing to a magazine. Only that. All the other benefits that come in the ARRL membership package are overlooked or not utilized, in such instances.

The Overseas Membership QSL Service alone is worth the membership fee if you are any sort of busy DXer. In combination with the call area QSL bureaus for distribution of incoming cards, it's a boon to the amateur who collects cards and is not heir to an oil field.

If you want information, you can get it by calling ARRL headquarters. Should you prefer to write, you can do it that way. In either case, the information will be forthcoming and it will be the work of an expert in whatever field it concerns.

Consider the code lessons on W1AW. If all the amateurs who learned to read CW by that means were dues-paying members, the league would be even bigger and stronger than it is.

Don't overlook the years of work that went into solidifying the American amateur position prior to the last World Administrative Radio Conference. Some of the best minds in radio were enlisted by the ARRL to work together in preparation of a blueprint for the years ahead.

If you remember the doomsayers, you will recall there was a feeling the United States was going to come back from Geneva with its head in its hands. That didn't happen. The American amateur community gained rather than lost.

I could write at much greater length about the equipment insurance program, the listing of hamfests, the opportunity to visit headquarters and operate W1AW itself, but you may have gotten the idea already.

Shop around and see what other "magazine" offers so many fringe benefits. Come to the realization that you're paying to be a part of the American Radio Relay League, a proud organization dedicated to the interests of a very special person — the American radio amateur.

You get a subscription to a magazine thrown in as a fringe benefit.

— The Home News



APPLICATION FOR MEMBERSHIP OR RENEWAL OF MEMBERSHIP IN

THE AMERICAN RADIO RELAY LEAGUE, INC.

225 Main Street, Newington, CT 06111

OREGON TUALATIN VALLEY ARC

Name of Affiliated Club taking application or renewal (or name of hamfest or convention)

Warren Knight

Name of Club Officer or Official

Date

() New Member () Previous Member () Renewal of current membership

A bona fide interest in Amateur Radio is the only essential requirement, but full voting membership is granted only to licensed radio amateurs of the U.S. and Canada. Therefore if you have a license, please be sure to indicate it below. Please print.

Class of License

Call sign

Name

Address

City, State or Province, Zip or Postal Code

Membership
Class

☐ Regular*

☐ Family†
☐ Blind

☐ 65 or older‡

U.S. Canada Elsewhere

U.S. Canada Elsewhere

☐ 1 year

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\$30

\$33

\$2

\$20

\$25

\$28

☐ 2 years

49

59

65

4

39

49

55

☐ 3 years

72

87

96

6

57

72

81

IMPORTANT: Please attach your Expiration Notice to this form if you are renewing your current membership. Payment in U.S. funds only.

*These rates include the postage surcharge which partially offsets the additional cost to mail QST outside of the U.S.

†A member of the immediate family of a League member, living at the same address, may become a League member without QST at the special rate of \$2 per year. Family membership must run concurrently with that of the member receiving QST. Blind amateurs may join without QST for \$2 per year.

‡Licensed amateurs who are age 65 or older upon request may become League members at the rates shown. Proof of age is required.

Your membership certificate will be mailed to you in about three weeks from the date ARRL Headquarters receives this application. Delivery of QST may take slightly longer, but subsequent issues should reach you on a regular basis. Membership and QST cannot be separated. Membership is available only to individuals. Fifty percent of dues is allocated to QST, and the balance for membership. Dues are subject to change without notice.



EXTRA OSCAR-7 reaches end of life

Norm Chalfin, K6PGX

Verne Riportella, WA2LQQ — AMSAT vice president — has reported that in view of the fact that AMSAT/OSCAR-7 has not responded to commands for a couple of weeks as of 24 June, it is not believed the bird will come back to life again. No one has heard telemetry from the spacecraft, although a worldwide watch was mounted.

So, at the ripe old age of 6.6 years the AMSAT/OSCAR-7 spacecraft must be bid adieu. AMSAT/OSCAR-7 was launched on 15 November 1974 from Vandenberg Air Force Base at Lompoc, California aboard a Delta Rocket with NOAA-4 as the host. Along with AO-7 was a Spanish spacecraft, the INTASAT intended for science experiments.

During its lifetime (OSCAR-7 was designed to last three years), AO-7 was used for the transmission of medical data in the form of EKGs sent coast to coast; it also participated in a Canadian experiment begun with AO-6 to determine the feasibility of locating ELTs from downed aircraft. The latter demonstrated that a downed craft could be located in about an eighth of the time many aircraft would require criss-crossing the area to find the disabled craft.

It has been reliably estimated that several million contacts have been made through AO-7 by tens of thousands of amateurs during its more than 30,000 useful orbits.

A new transequatorial propagation mode was discovered when Edgar Mueller, YV5ZZ heard Amilcar Sapere, LU7DJZ's 2-meter uplink to AO-7 in Mode A in November 1976. An unprecedented series of satellite-to-satellite links occurred when stations transmitting to AO-7 in Mode B were picked up by the then operating OSCAR-6 in the 2-meter band and translated down to 29.45 MHz.

APT weather satellite pix were transmitted through AO-7 in April and May 1976 by DL0VLB. Dave Clingerman, W6OAL transmitted through it from his airplane; Fred Merry, W2GN transmitted from his aeromobile; and Richard Long, WA4JID from his marinemobile. QRP tests on Mode B demonstrated that a few milliwatts ERP produced usable downlink signals. Thereafter, many QRP QSOs went through AO-7. With a "Summa Cum Laude," we say "vale" to AMSAT/OSCAR-7.

A GREAT OPPORTUNITY-A CHEAP DX-PEDITION

CARRYAPACK TOURES - TRIP TO GANDER, NEWFOUNDLAND FROM HAM SHACK GOSSIP (Slyvania OH)

ITINERARY

- 1st Day Leave Halifax International Airport 4:30 a.m. All passengers travel First Class aboard Air Newf's Uni-Engine Jumbo Jet.
- 2nd Day In the air
- 3rd Day In the air.
- 4th Day In the air.
- 5th Day Arrive Gander 9:00 a.m. and on to Gander Curling Club, 3d floor basement annex for box dinner of clam chowder and soda crackers.
- 6th Day After breakfast, complete tour of Gander, 9:30-9:40 a.m. Free time for shoplifting followed by a fabulous nine course meal consisting of one real flipper pie, cod bits, rabbit sup and a six pack.
- 7th Day Tour of countryside in the comfort of a U.S. surplus Jeep left behind after the historic American Evacuation.
- 8th Day Back to town for a tour of the new Civic Library. Everyone will get to see the book.
- 9th Day Board waiting Jumbo Jet to the Mainland. Only three quick stops (two for fuel and one for directions).
- 10th Day In the air.
- 11th Day In the air
- 12th Day Arrive Halifax between 10:00 a.m. and midnight depending on weather conditions, and fuel leakage.

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Includes Transportation, Meals, Drugs, Tours, Transfers, Hotel, First Aid & Parachute (Opens on Impact).

FIELD DAY RESULTS

The totals are in. 1450 contacts for a total score of 4066. Not too good! That is just about a tie with last year and we had the killer beam for 20m this year. That could have been a factor as the 75m dipole was not used and should have been on Saturday nite. If we had set up our #2 station with 75m capabilities instead of 15m, we could very well have scored another 200 points. We were a little short on CW and the general feeling is that propagation was not as good this year. That is proved out by the 40m phone contacts as the vast majority of them were with 6 and 7 land. 15m was way down and 10 was non-existent. This will be proved out when the final placements are shown. #7XI tried hard for an Oscar contact but no luck and that would have been another 100 points. Everybody tried hard and had a good time and that is what counts. You can't put a score to that!! Anyway, there is always next year to strive to do better. Let's await the NCV. QST for the results....



DX WORLD

Desecheo Island

Two different groups have filed for permission to operate from Desecheo Island. No dates have been given nor have the two groups been identified. As details come in, we will keep you posted.

South Orkney Islands

Look for Juan Carlos, LU1ZA, who checks in with LU3ZY on South Sandwich Islands at 0100 UTC. He has been found on occasions on Tuesdays and Fridays. No frequency was given, but if I remember correctly, the schedule that LU3ZY maintained was the lower part of the 20-meter phone band.

Another station to look for is VP8ZR who hangs about 14.275 MHz from 1930 UTC. Dennis, the operator, is also active on 21.240 MHz at 2000 UTC daily. Perhaps he can be persuaded to move up frequency somewhat.

South Shetland Islands

While you have your beam down in that general direction, look for Bogden, HF0POL, who is operating from a Polish scientific expedition base on King George Island. He prefers the low two kilohertz on the 40-meter band from 0030 UTC. He has also been reported there, 7.001 MHz, plus or minus, as late as 0645 UTC. Bogden also operates near 14.002 MHz from 0300 UTC for the 20-meter buffs. You may QSL this one via Boguslaw Radzinski, SP5EKZ, or the Polish QSL bureau.

Neil, VP8AEO/CE9, is another station from this location who prefers SSB. Look for him near 28.547 MHz from 2400 UTC, or 14.254 MHz from 2000 UTC.

Contest forum

Different kinds of testers

DX optimist enters a DX contest with 50 watts and a Gotham vertical.

Contest pessimist figures he can't win his own section, even when he's the only entrant.

Contest masochist works full time in both modes in a closed CD party.

Categorized contest operators

Type A

The Type A tester eats, sleeps and drinks Amateur Radio; schedules his whole life around the contest calendar; can recite the top 10 in every sweepstakes since W6RW won it in 1959. He can usually be found on 75 meters with other Type A's, telling stories about contests. These people are top competitors and very difficult to beat. They carry airline tickets to Puerto Rico and Barbados in their pockets, and can never use a pacemaker due to extremely high levels of RF.

Type C

We'll come back to Type B. Type C people have all worked some contest or other — before most of were born. They all hold original 1 X 2 call signs. They remember the two-weekend sweepstakes contests and even today, send the time and their birthday in an exchange. They finish an ARRL DX contest contact by saying, "I'll get you on the second weekend." Type C even reads the "25 years ago" column in QST and makes notes on the technological improvements.

Type B

Now we get to Type B, which may be most of us. Type B can be called the weekend fanatic. For some reason, this bird isn't active except for contests. This includes those hired guns who live in apartments with no stations of their own. Type B operates the nearest superstation, and turns into a Type A for the duration of the contest.

After being administered the proper sedative, he returns to normal until the next big contest. These people are hated by those who work hard to build their own stations. They also write very boring contest articles and are usually murdered.

There are two sub-categories to Type F

Type B-1

This person is basically the same as a straight Type B, except that he's actually very insecure. He listens during the week. He listens from his apartment during the week to make sure no one is saying bad things about him behind his back.

Type B-2

Another weekend fanatic. This person does have a station of his own, but has decided it just isn't good enough. Consequently, he finds a bigger station and goes there. These people sometimes have an identity crisis, never sure which call to send.

Get a RARE One !!

Rhode Island QSO Party

The 1981 Rhode Island QSO Party will be held during two periods GMT: Saturday, 15 August 1700 to Sunday, 16 August 0500; and Sunday, 16 August 1300 to Monday, 17 August 0100. The event is sponsored by the East Bay Amateur Wireless Association.

Rhode Island stations will be able to work other Rhode Island stations and the rest of the world. All other stations are limited to working Rhode Island stations for this contest. The same station may be worked twice on each band — once on Phone and once on CW.

Exchange: Send RS(T) and QTH (city or town for Rhode Island stations; state, province, or country for all others).

Scoring: All stations score two points per Phone QSO and three points per CW QSO, except for Novices and Technicians, who score five points per QSO. Rhode Island multiply total QSO points by the number of states, provinces and countries worked. Others multiply total QSO points by the number of different Rhode Island cities and towns worked. NOTE: There are 39 cities and towns in Rhode Island.

Frequencies:

CW: 1810, 3550, 3710, 7050, 7110, 14050, 21050, 21110, 28050, 28110.

Phone: 3900, 7260, 14300, 21360, 28600, 50110, 144.2, 146.52.

Use of FM simplex is encouraged. (No repeaters)

Logging: Logs must show: date/time (GMT), call, exchange, band and mode. On a separate sheet show name, call, mailing address, club affiliation — if any, total QSO points, multiplier claimed and final score.

Awards: Certificates will be awarded to the top scoring station in each Rhode Island county, state, province, and DX country; the top scoring Novice and Technician station in each Rhode Island county and state; the Amateur Radio club in each state, province and country that submits the highest aggregate score (minimum of three logs per club).

Deadline: Postmarked no later than 15 September 1981. Send log, summary and comments to: East Bay Amateur Wireless Association, P.O. Box 392, Warren, RI 02885. Include SASE for results. □



"I wonder if you could make your estimate a little more explicit than 'wow - this will set you back a few big ones'?"

NEW MEMBERS

The roster has been taking a real beating lately and our computer time has leaped upwards along with it. There was some comment floating around about meeting in the Coliseum and of course this has been passed off as a joke. Wonder if they have a PA system? Anyway, we would like to welcome the following new members. Bill Holman, KA7KNX-Dick Gosney, W7QMD-Bob Andrews, WB7DWD-John Bennett, no call-John Burgess, KA7KKO-Ray O'Borne, KA7IKQ-Don Stanley, KC7CN-Ron Magnus, WA7GFE-Bev Mayworm, WA6ZTG-Ron Mayworm, W6TRO. A couple of months ago we had a roster of 106 and we are now at 132..... We thank you all for making the decision to join us. The size of the club is of small importance. What is numero uno to the club is your willingness to participate in activities, give the club your input, support us with meeting attendance and above all, enjoy yourself. This goes for ALL members, old or new. You, as new members, will find that we have no ego trips or politics and it is intended that it will remain that way. Have fun and make yourselves known. WELCOME.

BUNNY HUNT SEMINAR

NO!!! This has nothing to do with Playboy type activity. Sorry.. A few weeks ago, Roger, K7RXV, held the technical committee's seminar on DF at his home. A very good turnout was expected and sure enough, we had it. A couple of different styles of DF antennas were shown and demonstrated as well as a model of how to mount them on your car. Very interesting and if you missed it, too bad. Roger spent a lot of time setting up the demonstration and let us hope that it pays off over the long run. We intend to have bunny hunts on a regular basis. Complete with awards and etc.. Nice job Roger and crew. You really have a WORKING committee.....

MIXED EMOTIONS: Watching your Mother-In-Law drive your new Cadillac over a cliff....

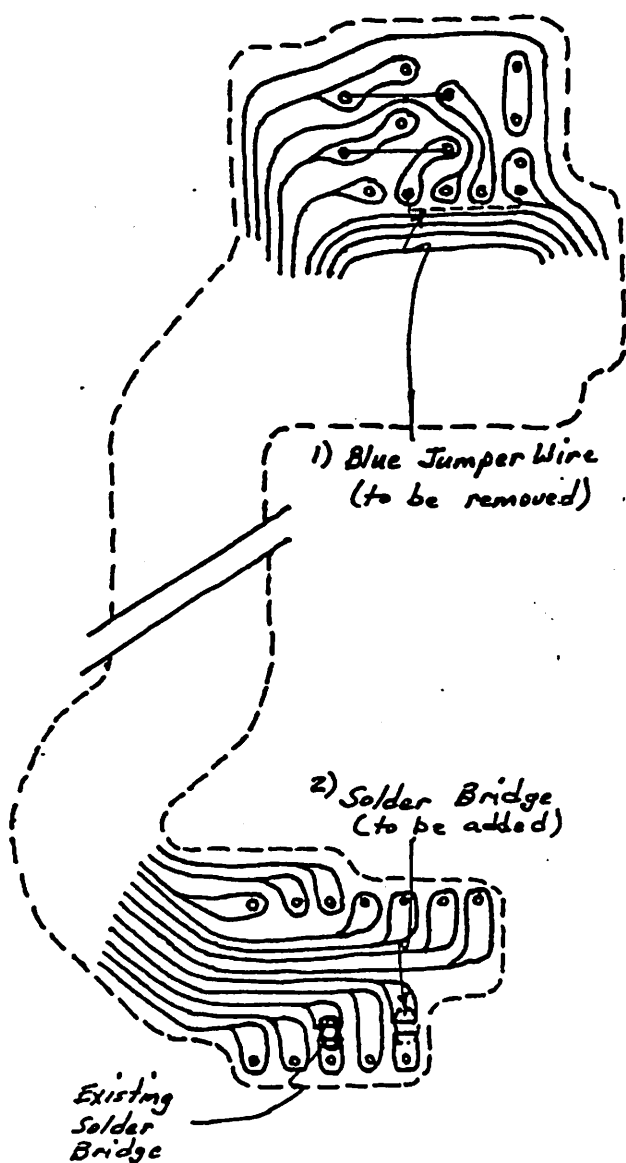
CASCADE LOCKS CAMPOUT

It is considered good form, when reporting club events, to play up the good points and ignore the bad. However, once in awhile we come up with such a dud it is impossible to overlook how bad it really was. The committee did a good job, those who attended enjoyed themselves and the wx and the park was super. It is galling when people put out an effort to arrange for a club doings and get virtually no support. We had a grand total of 15 members at the park and of the 20 camping spaces reserved, only 5 were used. Sure, we have to compete with weddings, honey-do's, vacations, anniversaries, birthdays and just plain old lethargy but out of a club of our size it should be reasonable to expect a 20% attendance figure. Especially to a picnic type outing. We had 2 canoes and a ski boat there and hardly anyone to take advantage. And etc, etc.. Phoooooey!!!

As versatile as the Icom IC-2AT HT is, it has two major deficiencies as far as some hams are concerned: 1) it does not operate below 144MHz or above 148MHz, and 2) it has no provision for non-standard offsets (other than + or - 600KHz). The first objection can be eliminated with the modification to be outlined below. The second can be eliminated with the modification detailed in the July 1981 issue of "73" magazine, on pages 84 thru 88. This second modification will allow operation on any one non-standard offset. Together these mods will allow operation on the complete two meter band as well as other services such as MARS and CAP.

The first modification is very simple, requires no special tools, instruments, or additional parts and can be done in 15 minutes from start to finish (if you work slow). This modification will allow the unit to operate from 140.000MHz to 149.995MHz on receive, and on transmit typically from 141.000MHz to 149.995 simplex and somewhat more with the + and - offsets.

The diagram below is of a 'flexible' circuit board near the hinge of the two halves of the HT. Here is the procedure:



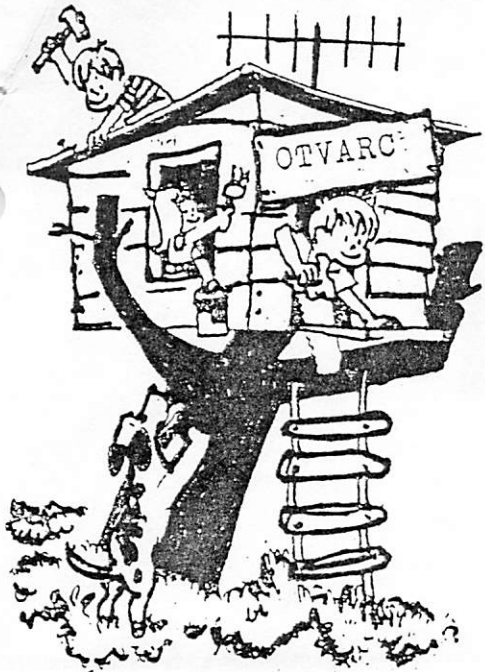
1) Find the blue jumper wire at the top end of the board (near the top of the HT) and remove it.

Article written by WD4LIM
Modification developed by
(I believe) WB9CRH.

2) Now find the foil trace at the bottom of the board which has a break, and bridge the break with a solder bridge.

THAT'S IT!!! Now close your HT.

Courtesy Orlando ARC & N4BOS



COMING HAM FAIRS

Aug. 15 and 16 Tacoma, Wash. Phone Jerry at 206 845-7652 for all info.

Sept. 26 and 27 Walla Walla, Wash. Contact K7RAO or W7CPG for info.

TO THE LADIES ONLY

A QUILTING BEE (really??)

Some of the lady club members and club members wives are getting together every Mon. eve at 7:30 to put together a quilt for a special club raffle. The meeting place is at the home of Bev Mayworm and if you are interested please call either

Arlene Reed, 649-5113 or Janet Dunshee, 645-1416. No experience is needed. They will train anyone who wants to learn. Give a call.....

PROGRAM - PROGRAM - PROGRAM

We were fortunate to obtain the services of Lee Strahan, better known as K7TJR. His expertise is in an area that is needed and used by all hams. Namely, power supplies. He will cover the subject from A to Z. Or better put, from AC to DC. Most of us, including yours truly, have gone and spent a whole bunch of \$\$\$ for a ready-made unit. If you want to find out how to put one together for half the cost, or improve your existing supply, it might be a good idea to bring some note paper and do a little scribbling. Lee is planning the program to include a lot of the old question and answer stuff so feel free to be verbal and get the cobwebs cleared. Some of the members may think they know it all when it comes to power supplies. Think you might be in for a surprise..... Let's give Lee a BIG OTVARC welcome and fill the place with interested members!!!! Be there EARLY!

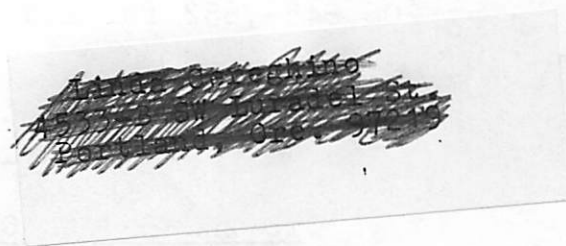
A VISITATION??

There is a good possibility that Mary Lewis will attend our meeting. Harry, Mary's chauffer, was contacted by phone and said that Mary was touring Montana and (typewriter gebusted) would be back in a week or so. There is a good chance we will see her and if so, most most likely she will give us our ARRL membership drive award. We look forward to seeing you Mary!!

Congrats to KA7DEW and wife on the new son. Heard that it was barely a keeper..

ENOUGH FOR THIS MONTH. HOPE A WHOLE BUNCH OF MEMBERS TURN OUT FOR WHAT WILL BE A VERY GOOD PROGRAM..... PLEASE, ONCE AGAIN, WE NEED DINNER SUPPORT!!!!

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